



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010514  
CERTIFICATION DATE: November 20, 2013  
DATE RECERTIFICATION DUE: May 19, 2014

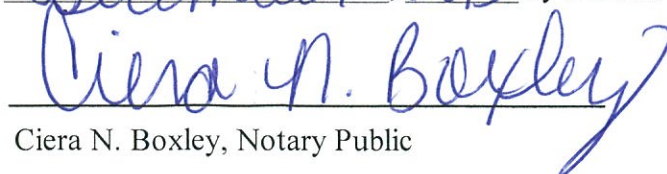
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

  
Melissa Kennedy

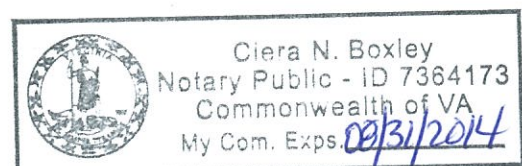
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of  
December, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 11/25/2013**

HMS  
RJP

**Instrument Serial Number: 010514**

**As of 25-Nov-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
20-Nov-13	20-Nov-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
30-May-13	30-May-13	HMS (18910)	CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
18-Dec-12	18-Dec-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
10-Jul-12	10-Jul-12	HMS (18910)	CERTIFIED
25-Jan-12	25-Jan-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Nov-11	09-Nov-11	HMS (18910)	CERTIFIED
31-May-11	31-May-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
12-Apr-11	15-Dec-10	HMS (18910)	REPLACED PRINTER INK CARTRIDGE.
15-Dec-10	15-Dec-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
23-Jun-10	23-Jun-10	HMS (18910)	CERTIFIED
12-Jan-10	12-Jan-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
12-Aug-09	12-Aug-09	HMS (18910)	CERTIFIED.
27-Mar-09	27-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Nov-08	06-Nov-08	RJP (22428)	CERTIFIED.
21-Oct-08	21-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HMS  
MSK

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010514 Worksheet Start Date 11/20/2013

Location Kenbridge Police Department

Address 511 E. 5th Ave., Kenbridge, VA 23944

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

### Site Specifications

	Yes	No
<b>1 Secured Environment:</b> Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>2 Environment free from contaminants</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>3 Dedicated telephone line:</b> The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Adequate Ventilation:</b> Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>5 Stable temperature controls:</b> The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 115VAC power source:</b> Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>7 Room Condition:</b> The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010514

Certification Date 11/20/2013

Instrument Barometer (mm HG) 761

Reference Barometer (mm HG) 761

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.247
0.250	0.250	0.242	0.257	<b>Sample 2</b>	0.247
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.247
0		0.247	0.247		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.149
0.150	0.150	0.145	0.154	<b>Sample 2</b>	0.149
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.149
0		0.149	0.149		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.080
0.080	0.080	0.077	0.083	<b>Sample 2</b>	0.080
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.080
0		0.080	0.080		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.019
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.019
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG219101-02

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.100
0.100	0.100	0.097	0.103	<b>Sample 2</b>	0.100
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.100
0		0.100	0.100		

DFS Technician

*Heath n Stark*

Date

11/25/13

Issuing Analyst

*Melissa Kennedy*

Date

11/26/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2






COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS  
MSL

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>11/20/2013</b>
TEST EQUIPMENT NUMBER <b>010514</b>		

RESULTS: TIME SAMPLE TAKEN 10:06 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 25 Nov 2013 at 09:03

HLG  
MHL

## Test Results

Instrument Serial Number 010514

Test # 000232 Subject Test

Test Location 1 Department of  
Test Date 20 Nov 2013

Test Location 2 Forensic Science  
Test Time 10:00  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 20 Nov 2013 End Time 10:07

Result Time 10:06

Result Date 20 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:00

Data Type BLK

Sample Value 0.000

Sample Time 10:01

Data Type CHK

Sample Value 0.103

Sample Time 10:02

Data Type BLK

Sample Value 0.000

Sample Time 10:03

Data Type SUBJ

Sample Value 0.000

Sample Time 10:04

Data Type BLK

Sample Value 0.000

Sample Time 10:05

Data Type SUBJ

Sample Value 0.000

Sample Time 10:06

Data Type BLK

Sample Value 0.000

Sample Time 10:07

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG201104-22

Standard Expiration Date 01/11/2014

Tank Pressure 105

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1767 cc End-of-Blow Time 10:04

Blow Sample Number 2 Blow Duration 3.43 sec

Blow Volume 1768 cc End-of-Blow Time 10:06

Tamper Evident Stamp 74b47fa2

Test Status Code 0

Test Status Success

HMS  
msk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 233  
Test Date: 11/20/2013      Test Time: 10:09 EST

Technician Initials: HMS

Dry Gas Target: 0.100

Lot Number: AG201104-22      Exp Date: 01/11/2014

Tank Pressure: 105 psi      Barometric Pressure: 761 mmHg

Test	g/210L	Time
DIAG	Pass	10:09
BLK	0.000	10:10
CHK	0.102	10:11
BLK	0.000	10:12
CHK	0.102	10:13
BLK	0.000	10:14
CHK	0.102	10:14
BLK	0.000	10:16

**Success**

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

One point certification done prior to Firmware/software upgrade due to certification warning on display.

HMS  
11/20/13

Long  
mde

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 234

Test Date: 11/20/2013      Test Time: 10:16 EST

Dry Gas Target: 0.100

Lot Number: AG201104-22      Exp Date: 01/11/2014

Tank Pressure: 100 psi      Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:17
CHK	0.102	10:18
BLK	0.000	10:19
CHK	0.102	10:20
BLK	0.000	10:21
CHK	0.102	10:22

Test Status: *Success*

Calibration CRC: A325EA3A



AMS  
HSE

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 235

Test Date: 11/20/2013      Test Time: 10:25 EST

Dry Gas Target: 0.300

Lot Number: AG322702-01      Exp Date: 08/15/2015

Tank Pressure: 203 psi      Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:25
CHK	0.303	10:26
BLK	0.000	10:28
CHK	0.303	10:28
BLK	0.000	10:30
CHK	0.302	10:31

Test Status: *Success*

Calibration CRC: A325EA3A

Ames

will

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010514

System Date: 11/20/2013

System Time: 11:20 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

hms

msl

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 236

Test Date: 11/20/2013      Test Time: 11:23 EST

Dry Gas Target: 0.100

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 590 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:24
CAL	0.100	11:24

Test Status: *Success*

Calibration CRC: C1F2C8F7

HMS  
NHL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 237  
Test Date: 11/20/2013      Test Time: 11:27 EST

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 286 psi      Barometric Pressure: 759 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:28
BLK	0.000	11:28
CHK	0.247	11:29
BLK	0.000	11:31
CHK	0.247	11:32
BLK	0.000	11:33
CHK	0.247	11:34
BLK	0.000	11:35

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
MSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 238  
Test Date: 11/20/2013      Test Time: 11:37 EST

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 2951215012-02      Exp Date: 11/01/2014

Tank Pressure: 830 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:37
BLK	0.000	11:38
CHK	0.149	11:39
BLK	0.000	11:40
CHK	0.149	11:41
BLK	0.000	11:42
CHK	0.149	11:43
BLK	0.000	11:44

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued



HMS  
MSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 239  
Test Date: 11/20/2013      Test Time: 11:47 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 07713080I2-04      Exp Date: 05/01/2015

Tank Pressure: 855 psi      Barometric Pressure: 759 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:48
BLK	0.000	11:48
CHK	0.080	11:49
BLK	0.000	11:50
CHK	0.080	11:51
BLK	0.000	11:52
CHK	0.080	11:53
BLK	0.000	11:54

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
MSK

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 240  
Test Date: 11/20/2013      Test Time: 11:56 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04      Exp Date: 05/01/2015

Tank Pressure: 968 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:56
BLK	0.000	11:57
CHK	0.019	11:58
BLK	0.000	11:59
CHK	0.019	12:00
BLK	0.000	12:01
CHK	0.019	12:02
BLK	0.000	12:03

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

the  
MHL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 241

Test Date: 11/20/2013      Test Time: 12:07 EST

Dry Gas Target: 0.300

Lot Number: AG322702-01      Exp Date: 08/15/2015

Tank Pressure: 198 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:08
CHK	0.302	12:08
BLK	0.000	12:10
CHK	0.301	12:11
BLK	0.000	12:12
CHK	0.301	12:14

Test Status: *Success*

Calibration CRC: C1F2C8F7

hms

WAL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010514      Test Number: 242

Test Date: 11/20/2013      Test Time: 12:16 EST

Dry Gas Target: 0.100

Lot Number: AG219101-02      Exp Date: 07/09/2014

Tank Pressure: 154 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:17
CHK	0.100	12:18
BLK	0.000	12:19
CHK	0.100	12:20
BLK	0.000	12:22
CHK	0.100	12:22

Test Status: Success

Calibration CRC: C1F2C8F7



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

ms  
ms

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>11/20/2013</b>
TEST EQUIPMENT NUMBER <b>010514</b>		

RESULTS: TIME SAMPLE TAKEN 12:30 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE





# IntoxNet MIS Report

Report Generated 25 Nov 2013 at 09:04

HWS  
MHL

## Test Results

Instrument Serial Number 010514

Test # 000243 Subject Test

Test Location 1 Department of

Test Date 20 Nov 2013

Test Location 2 Forensic Science

Test Time 12:24

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 20 Nov 2013

End Time 12:31

Result Time 12:30

Result Date 20 Nov 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:24

Data Type BLK

Sample Value 0.000

Sample Time 12:25

Data Type CHK

Sample Value 0.100

Sample Time 12:26

Data Type BLK

Sample Value 0.000

Sample Time 12:27

Data Type SUBJ

Sample Value 0.000

Sample Time 12:28

Data Type BLK

Sample Value 0.000

Sample Time 12:29

Data Type SUBJ

Sample Value 0.000

Sample Time 12:30

Data Type BLK

Sample Value 0.000

Sample Time 12:31

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG219101-02

Standard Expiration Date 07/09/2014

Tank Pressure 149

Barometric Pressure 759 mmHg

Blow Sample Number 1

Blow Duration 3.31 sec

Blow Volume 1760 cc

End-of-Blow Time 12:28

Blow Sample Number 2

Blow Duration 3.43 sec

Blow Volume 1737 cc

End-of-Blow Time 12:30

Tamper Evident Stamp 859ba299

Test Status Code 0

Test Status Success